

**NE 85<sup>th</sup> Street and 164<sup>th</sup> Avenue NE Channelization Improvements**  
**Open House – March 30, 2006**  
**Project Information Sheet**

**Project Goals**

More efficient use of the existing street width along NE 85<sup>th</sup> Street and 164<sup>th</sup> Avenue NE in terms of improving traffic flow, safety, and the multi-modal environment to implement the City's vision for Downtown to:

- Create people places
- Provide transportation choices
- Support economic development

This goal can be achieved with 4 to 3-lane conversions at low construction cost, low risk and low impact, while maintaining peak hour operations and improving non-peak operations.

**Summary of Results for NE 85<sup>th</sup> Street**

Specific goals of the NE 85<sup>th</sup> Street rechannelization are achievable with a 3-lane section.

- **Provide on-street parking and loading zones:**  
NE 85<sup>th</sup> Street would gain approximately 50 parking spaces, and several loading zone areas in the vicinity of the apartments. The addition of loading zones is a significant benefit since moving vans and other delivery vehicles often block traffic.
- **Improve traffic flow near the Post Office:**  
Traffic flow can be improved with a 3-lane section by the addition of a right turn/holding lane. In addition, the City working with the Post Office to pursue the addition of off-site mail drop boxes, and improvements to on-site operations.
- **Maintain or improve emergency response and transit operations:**  
Based on the traffic modeling, travel times and intersection level of service are about the same or improved on NE 85<sup>th</sup> Street
- **Improve traffic flow through intersections:**  
Based on the traffic analysis, improvements in the off-peak hours are indicated for NE 85th both in 2005 and in 2022.

In both 2005 and 2022 PM peak hour travel times and level of service at intersections on NE 85<sup>th</sup> Street remain about the same or improve with a 3-lane section.

### Summary of Results for 164<sup>th</sup> Ave NE

Specific goals of the 164<sup>th</sup> Avenue NE rechannelization are achievable with a 3-lane section.

- **Provide bike lanes:**  
The 3-lane section provides space for bike lanes
- **Maintain or improve emergency response and transit operations:**  
Based on the traffic modeling, travel times and intersection level of service are about the same or improved on 164<sup>th</sup> Ave NE.
- **Improve traffic flow through intersections:**  
Based on the traffic analysis, improvements in the off-peak hours are indicated for 164<sup>th</sup> Ave NE both in 2005 and in 2022.

In existing conditions corridor travel times and level of service at intersections on 164<sup>th</sup> Avenue NE are about the same or improve with a 3-lane section. In 2022 travel times in the PM peak decrease in the southbound direction and increase in the northbound direction in comparison to the 4-lane section.

### Summary of Traffic Modeling Results

Improvements in the off-peak hours are indicated for both corridors now and in 2022.

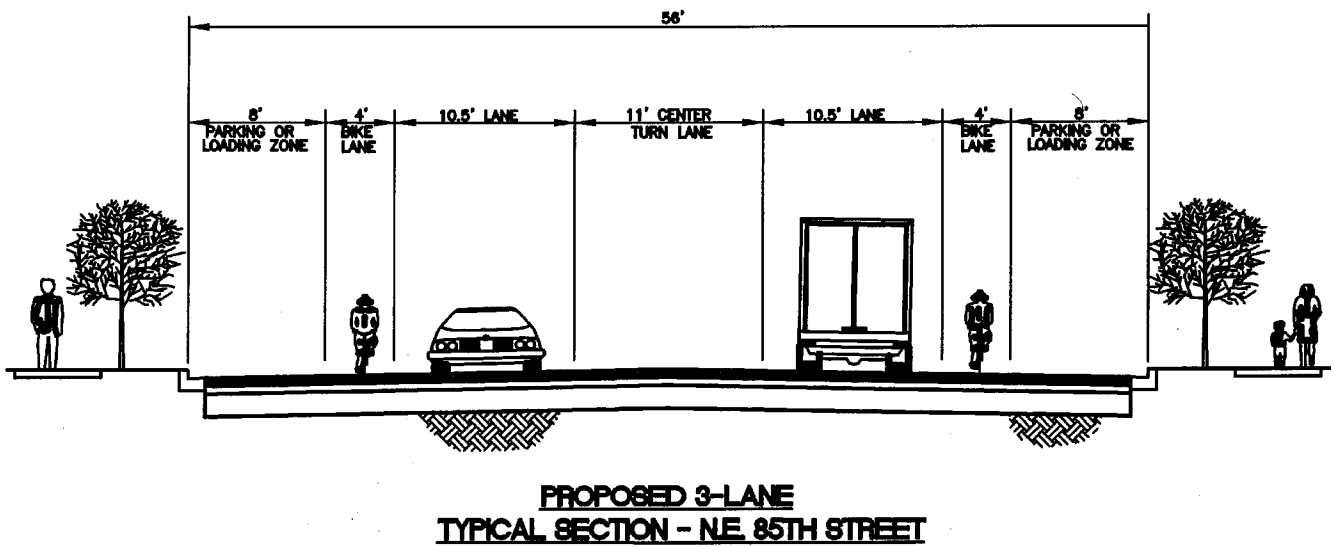
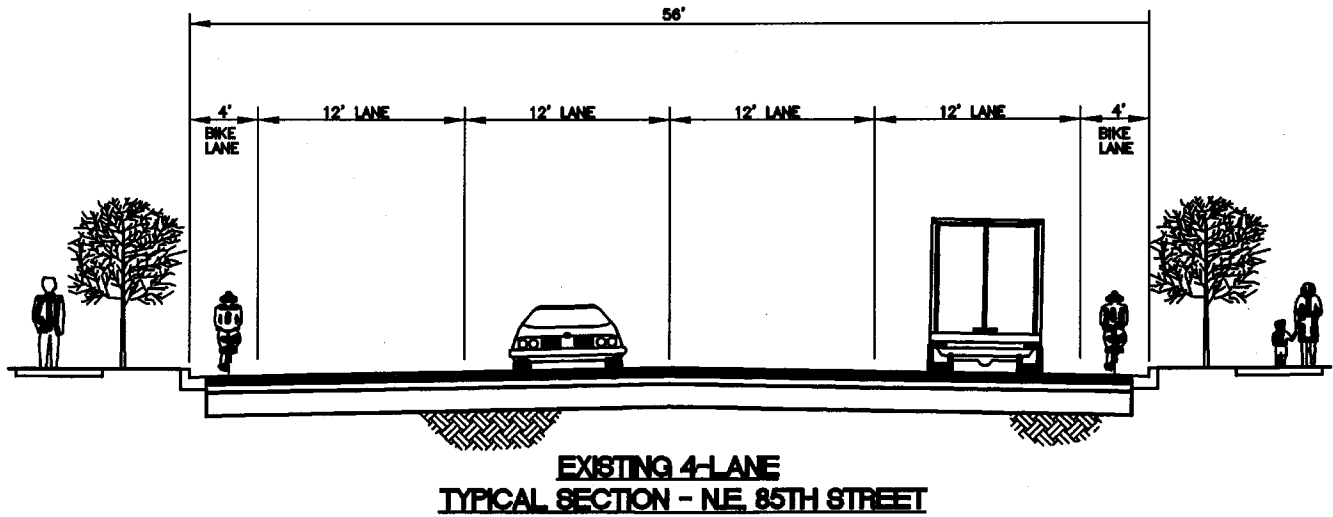
The results of the traffic modeling clearly show that changing channelization on NE 85<sup>th</sup> Street from 4 to 3-lanes maintains or improves intersection level of service and corridor travel times for the PM peak in both 2005 and 2022.

The modeling also indicates that in the near term, 3-lanes on 164<sup>th</sup> Avenue NE also maintains or improves intersection level of service and corridor travel times during the PM peak. In the future, operations on a 3-lane 164<sup>th</sup> Avenue NE become more difficult and travel times in the peak northbound direction worsen compared to a 4-lane section due to queues from the NE 85<sup>th</sup> Street intersection.

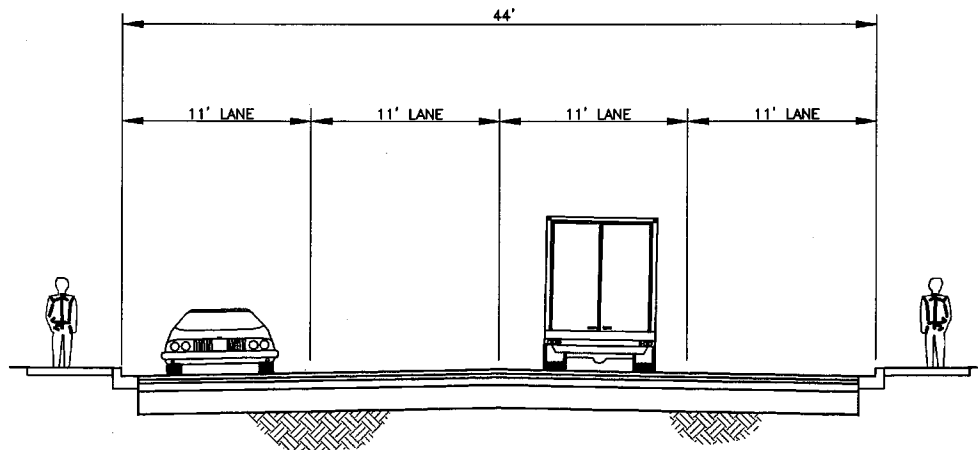
#### The model includes the following assumptions:

- Buses will pull out of the through lane for loading and unloading passengers
- Right turn/holding lane added in front of the post office
- Eastbound right turn lane added at NE 85<sup>th</sup> Street/164<sup>th</sup> Avenue NE
- Southbound left turn lane added at 164<sup>th</sup> Avenue NE/ NE 85<sup>th</sup> Street
- Traffic volumes are held constant (trips are not allowed to divert to other corridors)

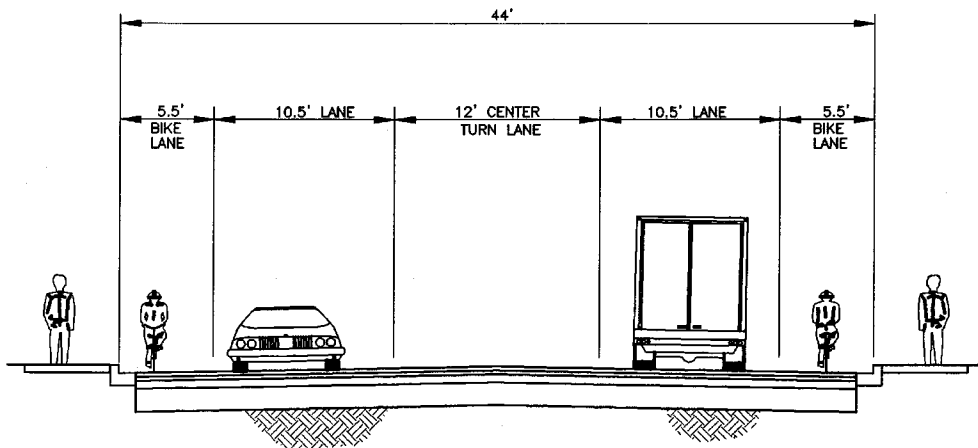
**NE 85TH STREET (154TH TO 164TH)  
CROSS-SECTIONS**



164TH AVE NE (NE 80TH TO NE 87TH)  
CROSS-SECTIONS



EXISTING 4-LANE  
TYPICAL SECTION - 164TH AVE N.E.



PROPOSED 3-LANE  
TYPICAL SECTION - 164TH AVE N.E.